

30987

DRILLER'S NOTEBOOK

WELL RECORD

Driller JAMES WINKLER

Address SCHALLER IA

Owner CITY OF CHARTER
OAK

Tenant _____

Address _____

RETURN TO

IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

WHEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

THE DIRECTOR

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA 52240

DRILLER'S NOTE

It is important that a driller's notebook, filled out as completely as possible, be sent to the Iowa Geological Survey at the completion of each hole. A number of drillers have found it convenient to string samples from a single well on a heavy wire and attach the log book to them. A hole has been punched in the log book for this purpose.

Sample sacks and log books will be furnished by the Geological Survey. A copy of the log book will be made and returned if desired by the driller.

SUGGESTIONS TO DRILLERS

1. Samples should be taken from each bed passed through, and never more than 5 feet apart, even in the same bed.
 2. Samples should not be washed, except to remove excess drilling mud, as washed samples may give a wrong idea of the character of the bed.
 3. Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.
 4. Make frequent use of the "Description" column to explain the material being drilled.
 5. Note depth and thickness of all water-bearing layers.
 6. Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.
 7. Note height to which water from each layer rises in well, and give flow or capacity in gallons per minute.
 8. Fossils, such as oyster, clam, and other shells, are important and should be placed in bags with the material with which they are found and carefully labeled as to the depth from which they were obtained.
 9. If you do not understand what is wanted, or desire information on any point, write to the Iowa Geological Survey, Iowa City, Iowa.
 10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA.
- The Iowa Geological Survey desires to assist and cooperate with owners and drillers in every way possible, and will be glad to answer questions and assist in the solution of problems at any time.

WELL RECORD

	N	N
	E	E
Well is located	-----miles S and	-----miles S from
	W	W
	CHARTER OAK	in CRAWFORD
	(Nearest Town)	(County)
in the	SW 1/4 Sec. 23	T. 84 R. 41
Owner	CHARTER OAK	Well No.-----
Postoffice address	-----	
Contractor	WINKLER DRILLING INC.	
Address	SCHALLER IA	
Driller	JAMES WINKLER	
Well begun	4-26	1988
completed	4-29	1988
Rig used—Cable	Rotary	Jet, or-----
Depth of well	57	(Feet)
Size of hole (note total amount of each size)	6"	
Main water supply at	37-57	(Feet below surface)
Final water head	30	(Feet above or below surface)
Is well pumped?	-----	
Yield	75	(Gallons per minute)
Water level when pumping	36	-----
Position of well	VALLEY	
	(Upland, valley, side hill, etc.)	

30987

RECORD OF PERMANENT CASING

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level	Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type ^o and Weight of Pipe	DIAGRAM OF WELL
		Depth	Type of Rock								
						4"	57'	57'	0	PVC	

°As cast, wrought iron, steel, concrete, etc.

Is screen used? _____ Diameter _____ (Inches)

Length _____ (Feet) Depth to bottom _____

Depth to top _____ Slot size _____

Are packers or seals used? _____

Kind _____

Where used _____

Kind of pump _____ Dia. _____ (Inches)

Capacity of pump _____ (g.p.m.)

Power used _____ (Kind and amount)

Depth to bottom of pump line _____ feet, including _____ feet tailpiece.

Remarks on construction of well _____

_____ gravel packed #3 gravel

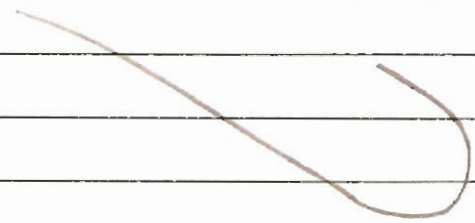
NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

Robert H. 1

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SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	18		Brown clay soil
	18	21		Yellow "
	21	35		Blue "
	35	38		Hard & blue clay
	38	42		Sand & sandstone
	42	45		Red clay
	45	48		Red clay
	48	50'		Red clay

Baseball outfield
 abandoned
 Plugged with
 Bentonite



Hole # 2

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	2		Black dirt
	2	27		Yellow clay
	27	33		Orange clay
	33	49		Yellow sand fine
	49	53		Orange sand
	53	57		Brown sand
	57	70		Orange clay
	2 1/2	30'		
	Gumped 75 gpm			
	at 36'			
	North of IPS Building			